

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re reissue application of:

BYRUM, Joseph R., *et al.*

Appl. No. 09/521,640

Filed: March 10, 2000

For: **NUCLEIC ACID MOLECULES  
AND OTHER MOLECULES  
ASSOCIATED WITH PLANTS**

Group Art Unit: 1631

Examiner: Michael L. Borin

Attorney Docket: 16517.128 [38-  
21(15750)D]

TECH CENTER 1600/2900

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**Response to the Office Action Dated January 10, 2002**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants submit the following amendments and remarks for consideration.

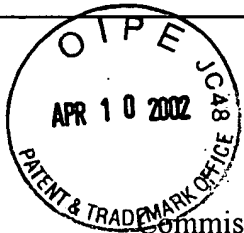
**Amendments**

**In the Specification:**

Please replace the paragraph at page 1 lines 17 – 27 with the following paragraph:

-- Sequence tagged connectors, or STCs, are sequences of insert data generated from both ends (at the vector-insert point) of a BAC clone in a genomic library. These sequences, and BACs containing these STC sequences, can be used, for example, for marker development, genetic mapping or linkage analysis, marker assisted breeding, and physical genome mapping (Venter, *et al.*, *Nature*, 381:364-366 (1996), the entirety of which is herein incorporated by reference; Choi and Wing, on the world wide web at [genome.clemson.edu/protocols2-nj.html](http://genome.clemson.edu/protocols2-nj.html) July, 1998). STCs can represent a copy of up to a full length of a mRNA transcript, a promoter element or part of a promoter, can contain simple sequence repeats (also called microsatellites) repetitive elements or fragments of repetitive elements, other DNA markers, or any combination thereof. –

# ARNOLD & PORTER



Commissioner for Patents  
Washington, D.C. 20231

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April 10, 2002

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Re: U.S. Application No.: 09/521,640  
Filed: May 10, 2000  
Title: *Nucleic Acid Molecules and Other Molecules Associated with Plants*  
Inventors: BYRUM, Joseph R., *et al.*  
Atty. Docket: 16517.128/ 38-21 (15750)D

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. a Response to the Office Action dated January 10, 2002;
2. a return postcard.

Please stamp the attached postcard with the filing date of these documents and return it to our courier.

It is not believed that extensions of time or fees are required in conjunction with this submission. However, if extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account Number 50-1824, referencing docket number 16517.128. Applicants likewise authorize a charge to Deposit Account Number 50-1824 for any other fees related to the present application that are not otherwise provided for in the accompanying documents.

Respectfully submitted,

David R. Marsh (Reg. No. 41,408)  
June E. Cohan (Reg. No. 43,741)

Enclosures